

**ABSTRACT**

A system and method for measuring and recording latency in data networks. The system and method can be used to measure and record latency in a Simple IP network or a Mobile IP network. One embodiment of the present invention is a system and method for measuring latency between a first device and a second device, the first and second devices communicating in accordance with a communications specification. The system and method comprises the second device transmitting, during a communication session, a message to the first device; receiving a response message from the first device; computing an elapsed time from transmission of the message to receipt of the response message to determine the latency; and recording the latency in a latency parameter. The message and the response message are provided by the communications specification.